CLAIMS:

1. A ceramic passive component which comprises a carrier substrate (1), at least a first electrode (2) disposed thereon, at least a dielectric (5) disposed thereon, and at least a second electrode (6) disposed thereon, characterized in that the dielectric (5) comprises a ferroelectric ceramic material with a voltage-dependent relative dielectric constant $\varepsilon_r$ .

2. A ceramic passive component as claimed in claim 1, characterized in that the following is chosen as the ferroelectric ceramic material with a voltage-dependent dielectric constant $\varepsilon_r$ :

$Pb(Zr_xTi_{1-x})O_3$ ($0 \le x \le 1$) with and without excess lead, $Ba_{1-x}Sr_xTiO_3$ ($0 \le x \le 1$), $Pb_{1-1.5y}La_y(Zr_xTi_{1-x})O_3$ ($0 \le x \le 1$, $0 \le y \le 0.2$), $Pb(Zr_xTi_{1-x})O_3$ ($0 \le x \le 1$) doped with Nb, $Pb_{1-\alpha y}La_yTiO_3$ ($0 \le y \le 0.3$, $1.3 \le \alpha \le 1.5$), $(Pb,Ca)TiO_3$, $BaTiO_3$ with and without dopants, $SrZr_xTi_{1-x}O_3$ ($0 \le x \le 1$) with and without Mn dopants, $BaZr_xTi_{1-x}O_3$ ($0 \le x \le 1$), $SrTiO_3$ doped with, for example, La, Nb, Fe or Mn,

$[Pb(Mg_{1/3}Nb_{2/3})O_3]_x$-$[PbTiO_3]_{1-x}$ ($0 \le x \le 1$),

$(Pb,Ba,Sr)(Mg_{1/3}Nb_{2/3})_xTi_y(Zn_{1/3}Nb_{2/3})_{1-x-y}O_3$ ($0 \le x \le 1$, $0 \le y \le 1$, $x + y \le 1$),

$PbNb_{4/5x}((Zr_{0.6}Sn_{0.4})_{1-y}Ti_y))_{1-x}O_3$ ($0 \le x \le 0.9$, $0 \le y \le 1$), $(Ba_{1-x}Ca_x)TiO_3$ ($0 \le x \le 1$), $(Ba_{1-x}Sr_x)TiO_3$ ($0 \le x \le 1$), $(Ba_{1-x}Pb_x)TiO_3$ ($0 \le x \le 1$), $(Ba_{1-x}Sr_x)(Ti_{1-x}Zr_x)O_3$ ($0 \le x \le 1$, $0 \le y \le 1$),

a) $Pb(Mg_{1/2}W_{1/2})O_3$

b) $Pb(Fe_{1/2}Nb_{1/2})O_3$

c) $Pb(Fe_{2/3}W_{1/3})O_3$

d) $Pb(Ni_{1/3}Nb_{2/3})O_3$

e) $Pb(Zn_{1/3}Nb_{2/3})O_3$

f) $Pb(Sc_{1/2}Ta_{1/2})O_3$

as well as combinations of the compounds a) to f) with $PbTiO_3$ and $Pb(Mg_{1/3}Nb_{2/3})O_3$ with and without excess lead.

3. A ceramic passive component as claimed in claim 1, characterized in that the first electrode (2) and/or the second electrode (6) comprise(s) at least a first and a second electrically conducting layer.

4. A ceramic passive component as claimed in claim 3, characterized in that the first electrically conducting layer of the electrodes (2, 6) comprises Ti, Cr, $Ni_xCr_y$ ($0 \leq x \leq 1$, $0 \leq y \leq 1$) or $Ti_xW_y$ ($0 \leq x \leq 1$, $0 \leq y \leq 1$).

5. A ceramic passive component as claimed in claim 3, characterized in that the second electrically conducting layer of the electrodes (2, 6) comprises a metal or an alloy.

6. A ceramic passive component as claimed in claim 1, characterized in that the carrier substrate (1) comprises a ceramic material, a ceramic material with a glass planarization layer, a glass-ceramic material, a glass material, or silicon.

7. A ceramic passive component as claimed in claim 1, characterized in that the dielectric (5) comprises multiple layers.

8. A ceramic passive component as claimed in claim 1, characterized in that a protective layer (7) of an inorganic material and/or an organic material is laid over the entire component.

9. A voltage-controlled oscillator with as its capacitive component a ceramic passive component which comprises a carrier substrate (1), at least a first electrode (2) disposed thereon, at least a dielectric (5) disposed thereon, and at least a second electrode (6) disposed thereon, characterized in that the dielectric (5) comprises a ferroelectric ceramic material with a voltage-dependent relative dielectric constant $\varepsilon_r$ .

10. A filter with as its capacitive component a ceramic passive component which comprises a carrier substrate (1), at least a first electrode (2) disposed thereon, at least a dielectric (5) disposed thereon, and at least a second electrode (6) disposed thereon, characterized in that the dielectric (5) comprises a ferroelectric ceramic material with a voltage-dependent relative dielectric constant $\varepsilon_r$ .

11. A delay line with as its capacitive component a ceramic passive component which comprises a carrier substrate (1), at least a first electrode (2) disposed thereon, at least a dielectric (5) disposed thereon, and at least a second electrode (6) disposed thereon, characterized in that the dielectric (5) comprises a ferroelectric ceramic material with a voltage-dependent relative dielectric constant $\varepsilon_r$ .

12. The use of a ceramic passive component which comprises a carrier substrate (1), at least a first electrode (2) disposed thereon, at least a dielectric (5) with a voltage-dependent relative dielectric constant $\varepsilon_r$ disposed thereon, and at least a second electrode (6) disposed thereon as a capacitive component.